

Spawner Year	PLD Index	Redds	Average female fork length	Estimated number of eggs <sup>a</sup>	Basinwide juvenile estimate	Estimated survival rate egg to juvenile	Watershed smolt production estimate	Mean smolt length (mm)	Mean smolt weight (g)	Estimated survival rate juvenile to smolt	Estimated survival rate egg to smolt	Estimated survival rate smolt to adult <sup>d</sup>
2003-2004	67	42	64.2	99,960	6,415±1,367	6.4%	1,977±430	101	10.58	30.8%	2.0%	0.7%
2004-2005	171	74	63.3	168,942	8,594± 1,652	5.1%	2,502± 257	98	9.26	29.1%	1.5%	0.1%
2005-2006	27	11	62	23,628	1,050±486	4.4%	1,353± 307	115	14.16	128.9%	5.7%	0.4%
2006-2007	28	21	66	54,207	7,832± 1,640	14.4%	2,046±163	109	11.85	26.1%	3.8%	0.6%
2007-2008	0	2 <sup>b</sup>	62.5 <sup>c</sup>	4,398	431± 271	9.8%	163 <sup>f</sup>	120	15.71	37.8%	3.7%	1.4%
2008-2009	4	2	62.5 <sup>c</sup>	4,398	41 <sup>e</sup>	4.7%	389±409	123	16.23	190.0%	8.8%	SY2011-12
2009-2010	12	23	60.9	46,867	3,064± 1,373	6.5%	3,646±308			119.0%	7.8%	SY2012-13

<sup>a</sup> Estimated number of eggs using Shapovalov and Taft (1954) formula based on average female fork length.

<sup>b</sup> Estimated based on distribution of juvenile coho observed during the summer of 2008.

<sup>c</sup> Average female length based on female carcass lengths on Redwood Creek for spawner years 1997-98 thru 2006-07.

<sup>d</sup> Estimated smolt to adult calculated by dividing number of adult spawners (estimated based on 2 times the total watershed redd count) by the estimated number of outmigrating smolts for previous cohort

<sup>e</sup> Raw count, percent survival assumes raw count is 20% of total population observed, taken from percent of pools snorkeled.

<sup>f</sup> Raw count, percent survival assumes raw count is 40% of total population observed, taken from trap efficiencies.

